

ABSTRACT OF THE DISCLOSURE

This invention relates to an illumination means for illuminating a scene with a two dimensional pattern of intensity, such as an array of distinct spots or array of lines. A light source (4) such as an LED is arranged to illuminate the input face of a light guide (6), either directly or through a mask. The light guide comprises a solid or hollow tube, generally of a constant, regular cross section which is arranged to create multiple images of the light source. Projection optics (8) is arranged to project the array towards the scene with a larger depth of field than conventional techniques.